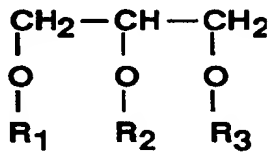
Patent Claims:

1. A pharmaceutical formulation for parenteral or mucosal administration of antigens and/or vaccines to an animal, **characterized by** comprising one or more substances selected from

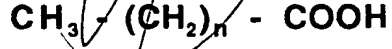
   a) monoglyceride preparations having at least 80 % monoglyceride content and having the general formula



   wherein R_1 and R_2 is H and R_3 is one acyl group containing from 6 to 24 carbon atoms, and where the acyl chains may contain one or more unsaturated bonds

   and

   b) fatty acids of the general formula



   where "n" may be varied between 4 and 22, and where the acyl chain may contain one or more unsaturated bonds.

2. A pharmaceutical formulation according to Claim 1, **characterized by** having a monoglyceride preparation content of at least 90 %, preferably at least 95 %.

3. A pharmaceutical formulation according to Claim 1, **wherein** the acyl chains of the monoglyceride preparations contains 8 to 20 carbon atom, preferably 14 to 20 carbon atoms and where the acyl chains may contain one or more unsaturated bonds.

4. A pharmaceutical formulation according to Claim 1, **wherein** the acyl chains of the fatty acid contains 8 to 20 carbon atom, preferably 14 to 20 carbon atoms and where the acyl chains may contain one or more unsaturated bonds.

5. A pharmaceutical formulation according to Claim 1, **wherein** the antigen comprises an antigen and/or vaccine that is selected among the antigen and/or vaccines relevant to humans or animals, including marine animals.

6. A pharmaceutical formulation according to Claim 1, **wherein** the formulation comprises additional pharmaceutical excipients selected from the one or several of the following groups; preservatives and osmotic pressure controlling agents, pH-controlling agents, organic solvents, hydrophobic agents, enzyme inhibitors, water absorbing polymers, surfactants and absorption promoters, anti-oxidative agents, and the like.

7. A pharmaceutical formulation according to Claim 1, **wherein** the formulation comprises additional adjuvants.

8. A pharmaceutical formulation according to Claim 1~~-7~~, **wherein** the formulation is in a form suitable for parenteral or mucosal administration.

9. A pharmaceutical formulation according to Claim 8, **wherein** the formulation is in a form suitable for administration to the mucosa of the nose, mouth, vagina, rectum or the intestine.

10. A pharmaceutical formulation according to Claim 8, , **wherein** the formulation is in a form suitable for administration to the mucosa of the nose

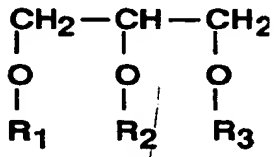
11. A vaccine or antigen formulation, **characterized by** that 100 g of the final formulation contains:

from 0.01 to 90 g of the antigen/vaccine component
from 0.1 to 90 g of the monoglyceride
from 0.1 to 90 g of the fatty acid
from 0.01 to 99 g of water
from 0.01 to 99 g of PBS/saline

and optionally one or more adjuvant and/or excipient.

12. The use of compounds selected from

a) monoglyceride preparations having at least 80 % monoglyceride content and having the general formula



wherein R_1 and R_2 is H and R_3 is one acyl group containing from 6 to 24 carbon atoms, and where the acyl chains may contain one or more unsaturated bonds

and

b) fatty acids of the general formula

$$CH_3 - (CH_2)_n - COOH$$

where "n" may be varied between 4 and 22, and where the acyl chain may contain one or more unsaturated bonds

in an amount of 0.01 to 15 g/100 ml of total volume of the formulation as adjuvants / vehicles in pharmaceutical formulations for parenteral or mucosal administration of antigens and/or vaccines to humans or animals, including marine animals.

13. The use of compounds according to Claim 12, **characterized by** having a monoglyceride preparation content of at least 90 %, preferably at least 95 %.

14. The use of compounds according to Claim 12, **wherein** the acyl chains of the monoglyceride preparations contains 8 to 20 carbon atom, preferably 14 to 20 carbon atoms and where the acyl chains may contain one or more unsaturated bonds.

15. The use of compounds according to Claim 12, **wherein** the acyl chains of the fatty acid contains 8 to 20 carbon atom, preferably 14 to 20 carbon atoms and where the acyl chains may contain one or more unsaturated bonds.

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